

AB Luminescence spectra of coumarin, trypaflavin, and aminomethylphthalimide introduced (as solns.) into the channels of the chrysolite-asbestos matrix were shifted into lower frequency region (with respect to the spectra in solns.), and their vibrational structure was not longer observed. These changes as well as anisotropy of the fluorescence characteristics, were due to the strong interactions of the matrix and the dye mols., leading also to an orientational ordering of the dye mols. along the matrix channels.
 ST dye orientation asbestos chrysolite matrix; fluorescence dye ordering channel matrix
 IT Dyes
 (fluorescence and orientational order of mols. of,
 in ultrathin-channel matrix)
 IT Asbestos
 RL: PRP (Properties)
 (chrysotile, fluorescence and orientational order
 of dye mols. in channel of matrix of)
 IT 91-44-1, Coumarin-47 2257-85-4, 3-Amino-N-methylphthalimide
 41044-12-6, Coumarin-30 65431-33-6, Trypaflavin
 RL: PRP (Properties)
 (fluorescence and orientational order of, in
 ultrathin-channel matrix)

L11 ANSWER 48 OF 49 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN

ACCESSION NUMBER: 1994:121376 BIOSIS
 DOCUMENT NUMBER: PREV199497134376
 TITLE: From the double-helix to novel approaches to the sequencing of large genomes.
 AUTHOR(S): Szybalski, Waclaw
 CORPORATE SOURCE: McArdle Lab. Cancer Research, Univ. Wisconsin, Madison, WI 53706, USA
 SOURCE: Gene (Amsterdam), (1993) Vol. 135, No. 1-2, pp. 279-290.
 CODEN: GENED6. ISSN: 0378-1119.
 DOCUMENT TYPE: Article
 LANGUAGE: English
 ENTRY DATE: Entered STN: 24 Mar 1994
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 SO Gene (Amsterdam), (1993) Vol. 135, No. 1-2, pp. 279-290.
 CODEN: GENED6. ISSN: 0378-1119.
 AB. . . DNA or denatured double-stranded approx. 50-kb fragments, as exemplified by phage lambda DNA. When automated and used in conjunction with fluorescent dyes and ultrathin gels, the method should permit the sequencing of 500 nucleotides (nt) per 30 min, i.e., 1 kb/h and 100 kb in less than a week per one sequencing channel. Automation has to include direct gel readout of over 500 nt, analysis of the terminal 50 nt, computerized selection and. . .

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(FILE 'HOME' ENTERED AT 14:56:17 ON 29 DEC 2005)

FILE 'CAPLUS, MEDLINE, BIOSIS' ENTERED AT 14:56:37 ON 29 DEC 2005
 L1 1212 SEA ABB=ON PLU=ON (FRET OR QUENCH? OR FLUOROPHORE?) (S) (CHANNEL OR NANOCHANNEL OR MICROCHANNEL OR NANO? OR MICRO?) (S) (DNA OR PROTEIN OR POLYMER)
 L2 914 SEA ABB=ON PLU=ON (FRET OR QUENCH? OR FLUOROPHORE?) (15A) (CHANNEL OR NANOCHANNEL OR MICROCHANNEL OR NANO? OR MICRO?) (15A) (DNA OR PROTEIN OR POLYMER)
 L3 323 SEA ABB=ON PLU=ON L1 AND PY<=1997
 L4 208 SEA ABB=ON PLU=ON L2 AND PY<=1997
 L5 38 SEA ABB=ON PLU=ON L3 AND (SEQUEN? OR MONOMER?)
 L6 26 SEA ABB=ON PLU=ON L4 AND (SEQUEN? OR MONOMER?)

L7 29 DUP REM L5 (9 DUPLICATES REMOVED)
L8 18 DUP REM L6 (8 DUPLICATES REMOVED)
 D L7 TI 1-15
 D L7 TI 16-29
 D L8 TI 1-10
 D L8 TI 11-18
 D L7 IBIB KWIC 3,4,9
 D L7 IBIB KWIC 15,18
 D L7 IBIB KWIC 22,26-28
 D L8 IBIB KWIC 3,14
L9 198 SEA ABB=ON PLU=ON (CHANNEL OR NANOCHANNEL OR MICROCHANNEL) (S)
 (FLUOR?) (S) (SEQUENC? OR ORDER? OR POLYNUCL? OR POLYPEPTIDE?)
L10 146 DUP REM L9 (52 DUPLICATES REMOVED)
L11 49 SEA ABB=ON PLU=ON L10 AND PY<=1997
 D L11 TI 1-20
 D L11 TI 21-41
 D L11 TI 42-49
 D L11 IBIB KWIC 1,2,4,5
 D L11 IBIB KWIC 12,16,18,19
 D L11 IBIB KWIC 23,24
 D L11 IBIB KWIC 30,31,48

FILE HOME

FILE CAPLUS

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FILE MEDLINE

FILE LAST UPDATED: 28 DEC 2005 (20051228/UP). FILE COVERS 1950 TO DATE.

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http://www.nlm.nih.gov/pubs/techbull/nd04/nd04_mesh.html
http://www.nlm.nih.gov/pubs/techbull/nd05/nd05_med_data_changes.html
http://www.nlm.nih.gov/pubs/techbull/nd05/nd05_2006_MeSH.html

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MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the MeSH 2006 vocabulary.

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